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Research Use Only. Not for diagnostic or therapeutic use.

# EB07263-T - Goat Anti-Leptin Receptor Antibody -

Size: 20µg specific antibody in 40µl

# **Target Protein**

Principal Names: LEPR, leptin receptor, CD295, OBR, OB receptor, LeprB

Official Symbol: LEPR

Accession Number(s): NP\_002294.2; NP\_001003679.1; NP\_001003680.1

Human GeneID(s): 3953

Important Comments: This antibody is expected to recognise all three reported isoforms

(NP\_002294.2; NP\_001003679.1; NP\_001003680.1).

## **Immunogen**

Peptide with sequence C-TQDDIEKHQSDAG, from the internal region of the protein sequence according to NP\_002294.2; NP\_001003679.1; NP\_001003680.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

**Western blot:** Approx 140-150kDa band observed in Human Cerebellum, Mouse Foetal Brain and Rat Brain lysates (calculated MW of 132kDa according to Human NP\_002294.2 and 130.8kDa according to Mouse NP\_666258.2 and Rat NP\_036728.1). This molecular weight is routinely observed by other sources. Recommended concentration: 1-2μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 4-6µg/ml.

**Flow Cytometry:** Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

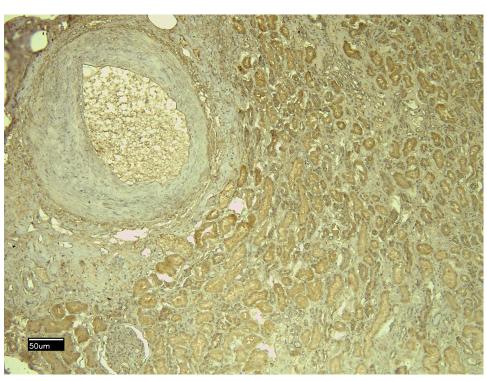
## **Species Reactivity**

Tested: Human, Mouse, Rat

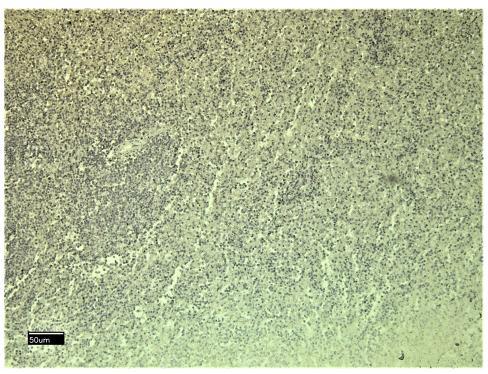
Expected from sequence similarity: Human, Dog



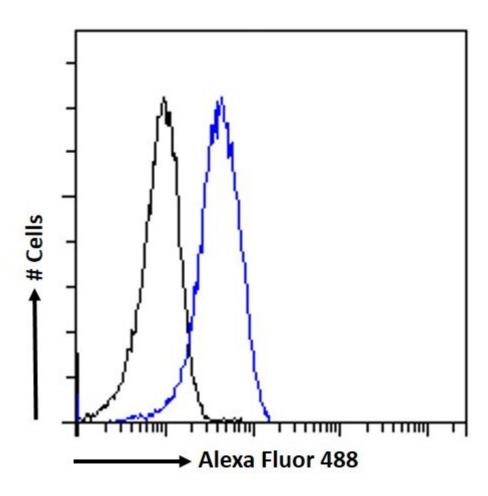
EB07263 (1.75μg/ml) staining of Human Cerebellum (A), and (1.5ug/ml) Mouse Foetal Brain (B) and Rat Brain (C) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB07263 ( $6\mu g/ml$ ) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



EB07263 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



EB07263 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.